

Amino acid SEQ ID NO.	Name of protein/gene, accession No.	leu zipper	Nucleic acid SEQ ID NO.	Num- ber of clones	Alternate Symbols & Alias
1~14	Mus musculus fip-cx	○	23(1), 24(2-1), 25(2-2), 26(2-3), 27(3), 28(4), 29(5), 30(6), 31(7), 32(8), 33(9), 34(10), 35(11), 36(12), 37(13), 38(14)	29	Frame shift (mage-d3, mRNA, AF319977, melanoma antigen, family D, 3-like, AK047777, trophinin, NM_019548, Trol, Maged3, Maged3l magphinin-alpha, mRNA, AF241245. magphinin mRNA AB032477. magphinin-beta2 mRNA, AF288605. magphinin-gamma mRNA, AF288606. trophinin-2 mRNA)
15~19	Mus musculus eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (Eef1d), mRNA, NM_023240.	○	39(15), 40(16), 41(17), 42(18), 43(19)	5	5730529A16Rik
20~22	Mus musculus schwannomin interacting protein 1 (Schip1), mRNA, NM_013928.	○	44(20), 45(21), 46(22)	3	Nf2ip, SCHIP-1
47~56	Mus musculus fip-cx.1	○	104(47), 105(48), 106(49), 107(50-1), 108(50-2), 109(50-3), 110(50-4), 111(50- 5), 112(51-1), 113(51-2), 114(52), 115(53) 116(54), 117(55), 118(56)	15	Frame shift (mage-d3, mRNA, AF319977, melanoma antigen, family D, 3-like, AK047777, trophinin, NM_019548, Trol, Maged3, Maged3l)
57~76	Mus musculus fip-cx.2	○	119(57), 120(58), 121(59), 122(60), 123(61), 124(62-1), 125(62-2), 126(63), 127(64), 128(65), 129(66), 130(67), 131(68), 132(69), 133(70), 134(71), 135(72), 136(73), 137(74-1), 138(74-2), 139(75), 140(76)	31	Frame shift (magphinin-alpha, mRNA, AF241245, magphinin mRNA AB032477, magphinin-beta2 mRNA, AF288605, magphinin-gamma mRNA, AF288606, trophinin-2 mRNA)

Fig. 1A

Amino acid SEQ ID NO.	Name of protein/gene, accession No.	Leu zipper	Nucleic acid SEQ ID NO.	Num- ber of clones	Alternate Symbols & Ailas
77~81	Mus musculus optineurin (Optn), NM_181848	O	141(77), 142(78), 143(79), 144(80), 145(81)	6	NRP, FIP2, HYPL, 4930441O07Rik, TFIIIA-INTP
82~84	Mus musculus similar to small nuclear RNA activating complex, polypeptide 5, 19kDa; small nuclear RNA activating complex, polypeptide 5, XM_284503.1	O	146(82), 147(83), 148(84)	2	Snapc5, 2010103A03Rik
85~86	Mus musculus C130020M04Rik, BC026483	O	149(85), 150(86)	1	MGC31554
87~89	Rattus norvegicus similar to hypothetical protein FLJ32000, XM_342896.1	O	151(87), 152(88), 153(89)	2	
90~91	Mus musculus Ras-like without CAAX 2 (Rit2), NM_009065.2	x	154(90), 155(91)	1	Rit2
92~93	Mus musculus isolate 1 cytochrome b gene, partial, mitochondrial gene, AF540912.1	O	156(92), 157(93)	1	
94~95	Mus musculus apolipoprotein E, NM_009696.2	x	158(94), 159(95)	1	Apoe
96~97	Mus musculus amyloid beta (A4) precursor protein, BC005490.1	x	160(96), 161(97)	1	Adap, Cvap, Abeta, appican, betaAPP, protease nexin II
98~99	Mus musculus DnaJ homolog, subfamily A, member 2, BC003420	x	162(98), 163(99)	1	Hsp40 homolog, subfamily A, member 2, DNAJ, DNJ3, mDj3, Dnaj3, HIRIP4, PRO3015, DNA J protein
100~101	MUs musculus fip-c10, XM_136911	x	164(100), 165(101)	1	Mus musculus similar to KIAA1209 protein
102	Mus musculus fip-c4	x	166(102)	1	Genome (Mouse DNA sequence from clone RP23-185C16 on chromosome 4)
103	Mus musculus fip-c18	x	167(103)	1	Genome (Mus musculus chromosome 18, clone RP24-572G3, AC102422.10)

Fig. 1B

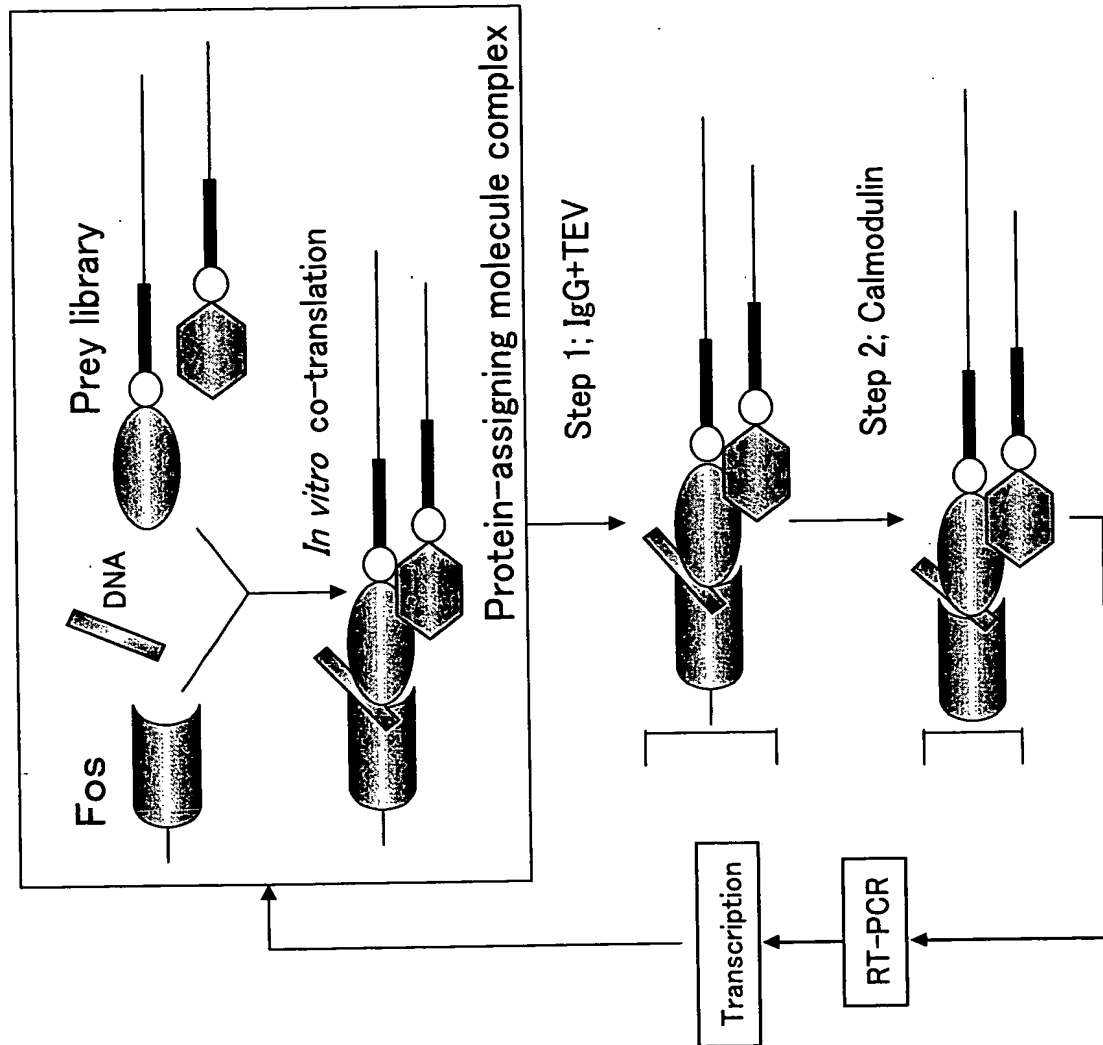


Fig. 2

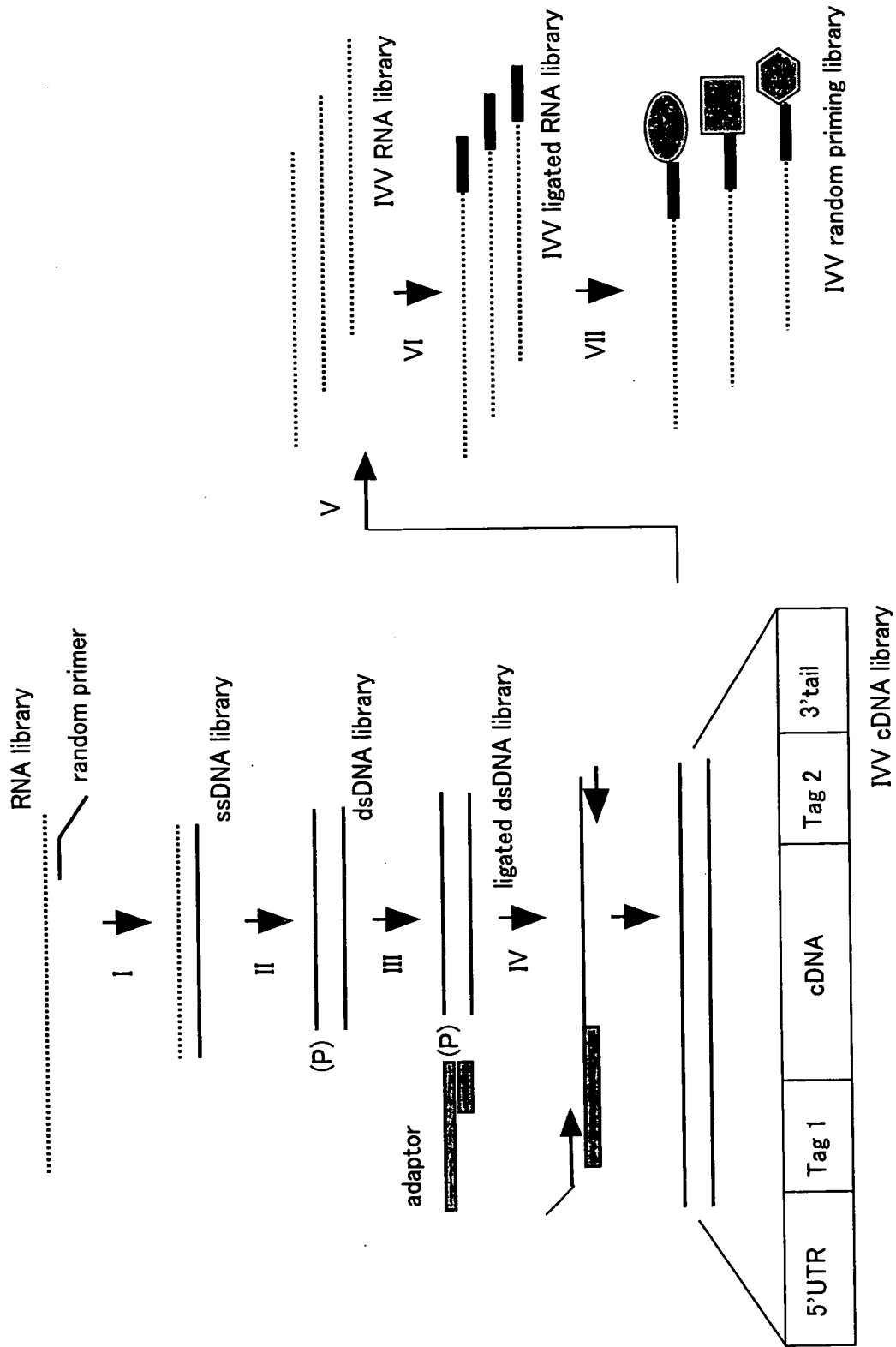
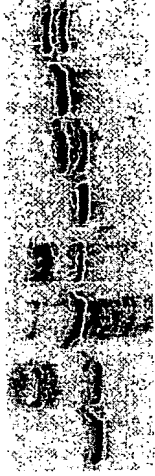


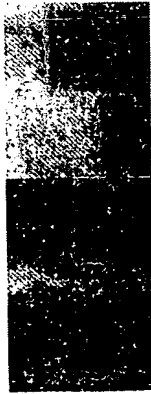
Fig. 3

B



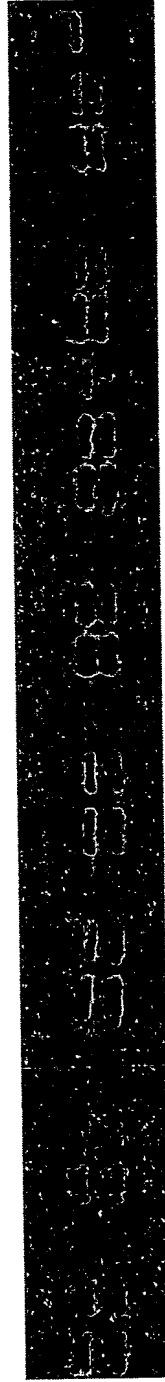
1	2	1	2	1	2	1	2
I				II		III	
						IV	

A



1	2	3	4
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C



1	2	3	1	2	3	1	2	3	1	2	3
a			b			a			b		
I			II			III			IV		

Fig. 4

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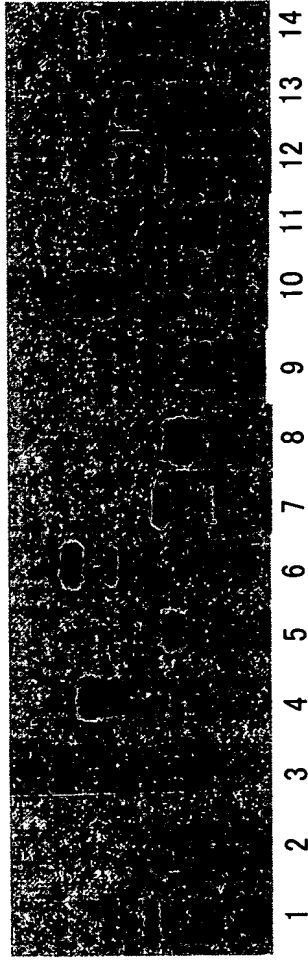


Fig. 5

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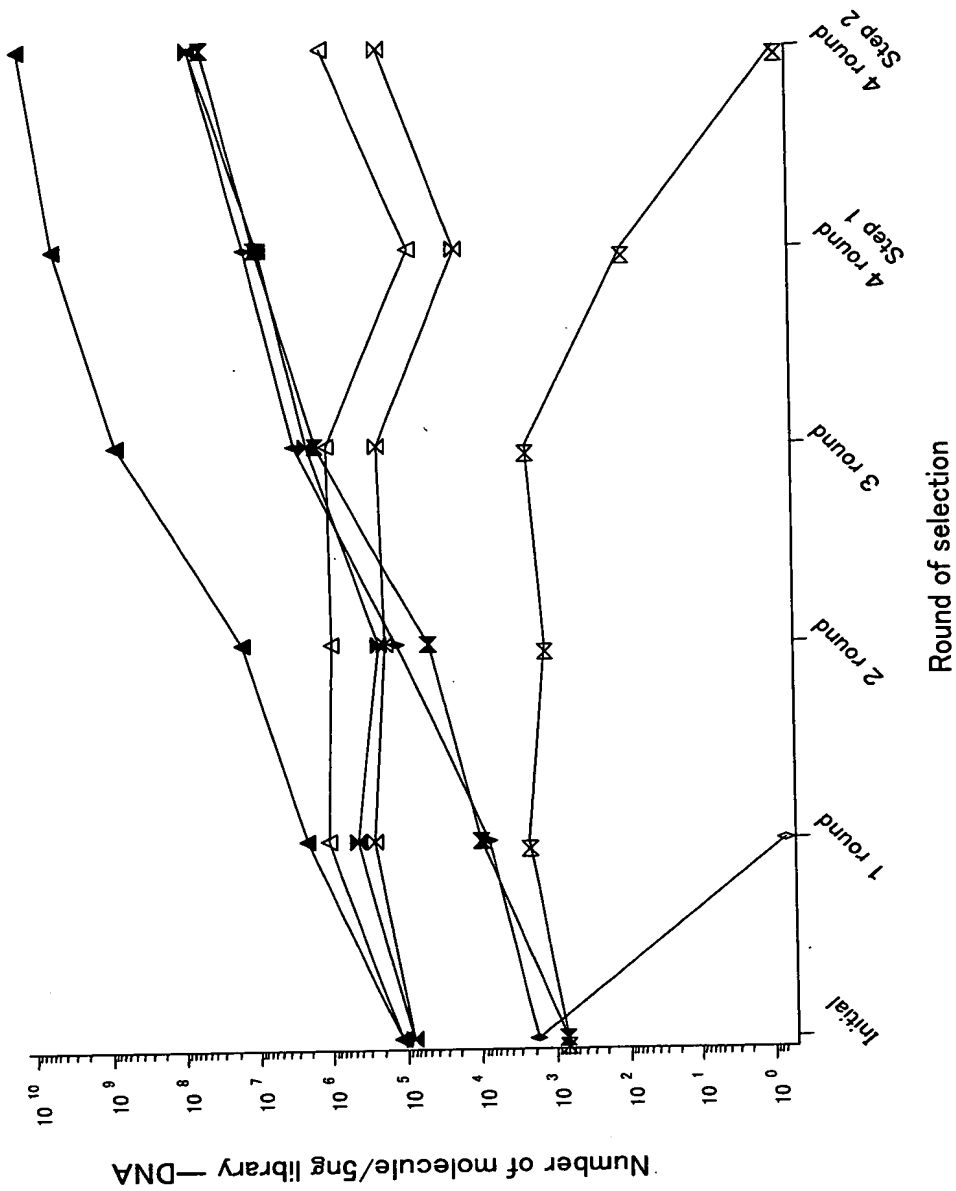


Fig. 6

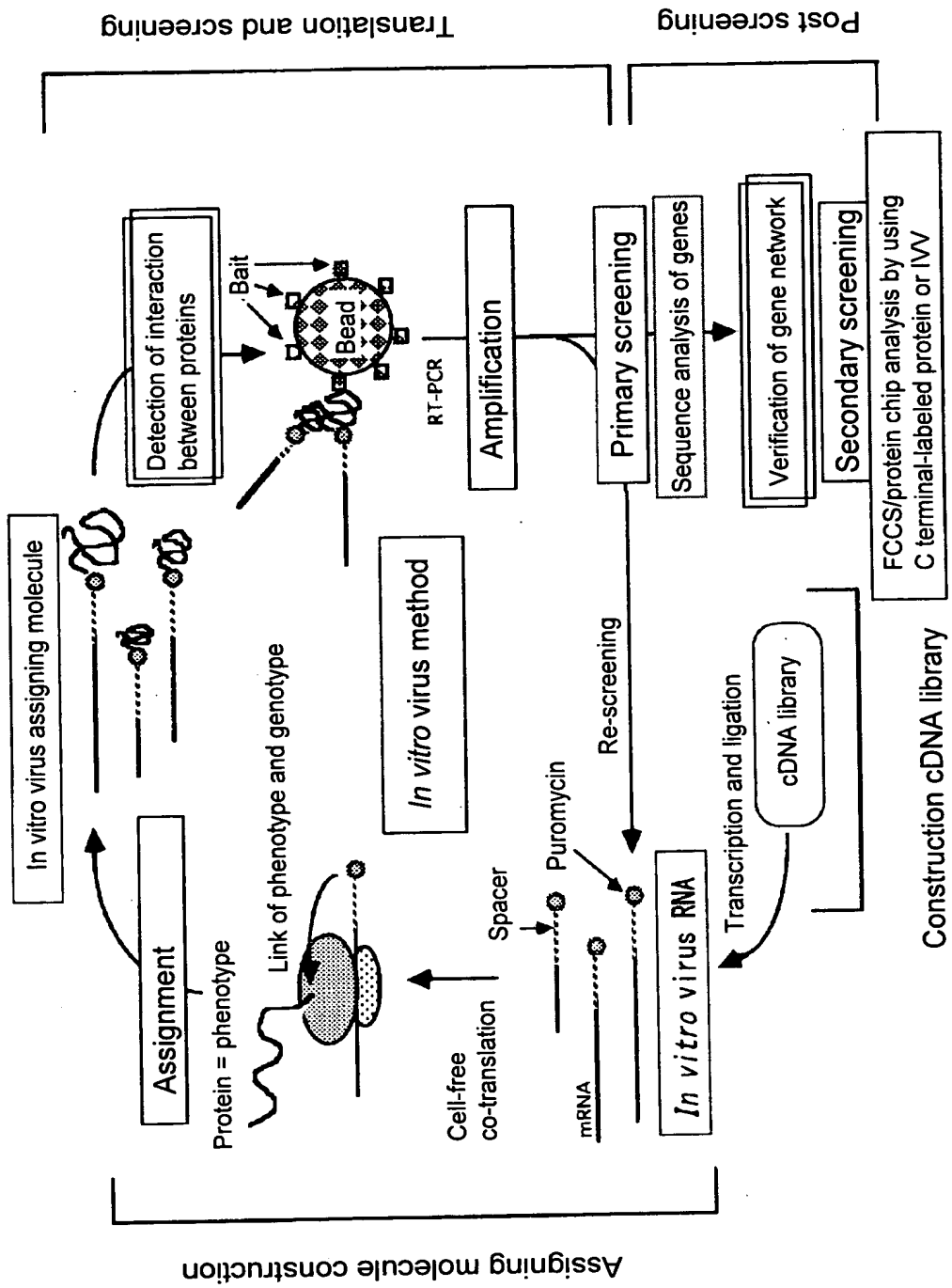
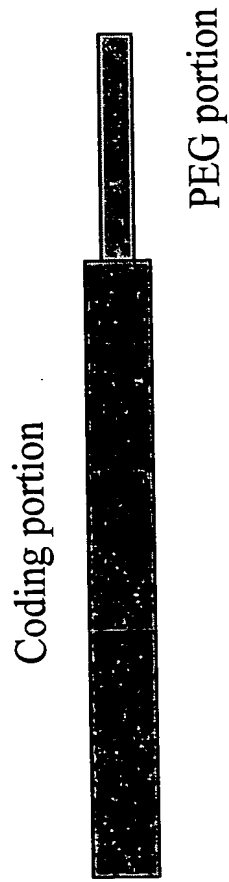


Fig. 7

A Translation template



B Coding portion

C PEG portion

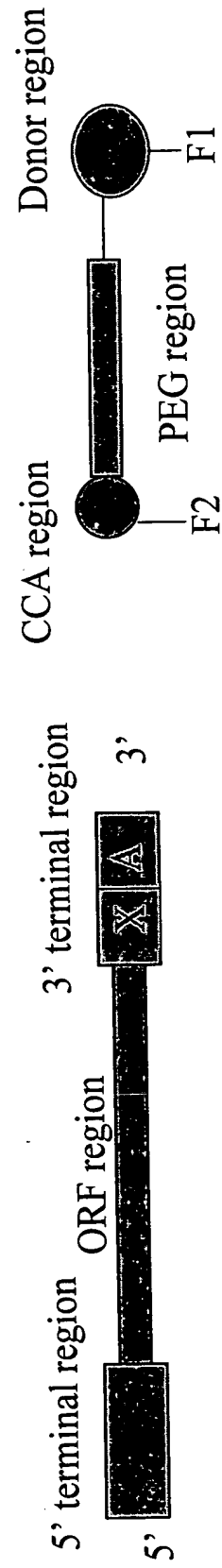
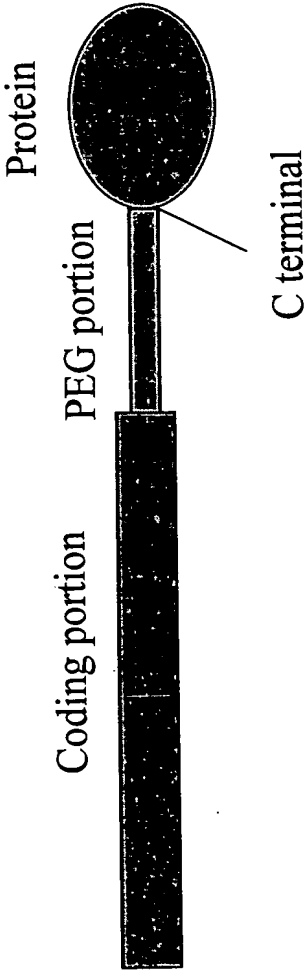


Fig. 8

A Protein of which C terminal is modified with translation template



C Protein of which C terminal is modified with PEG portion

B Translation template

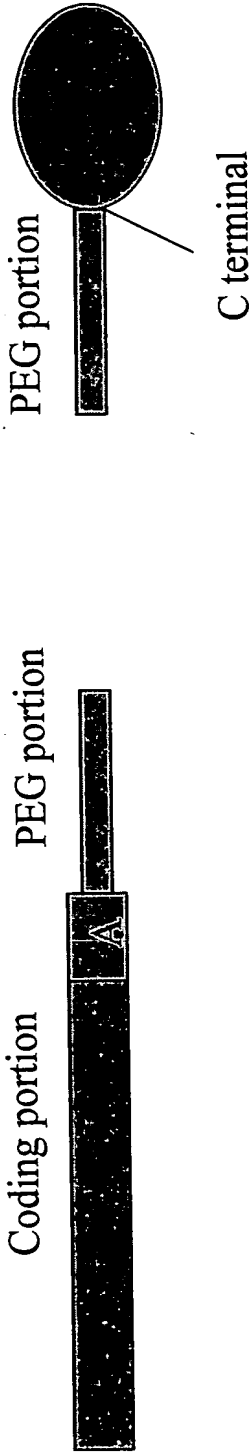


Fig. 9

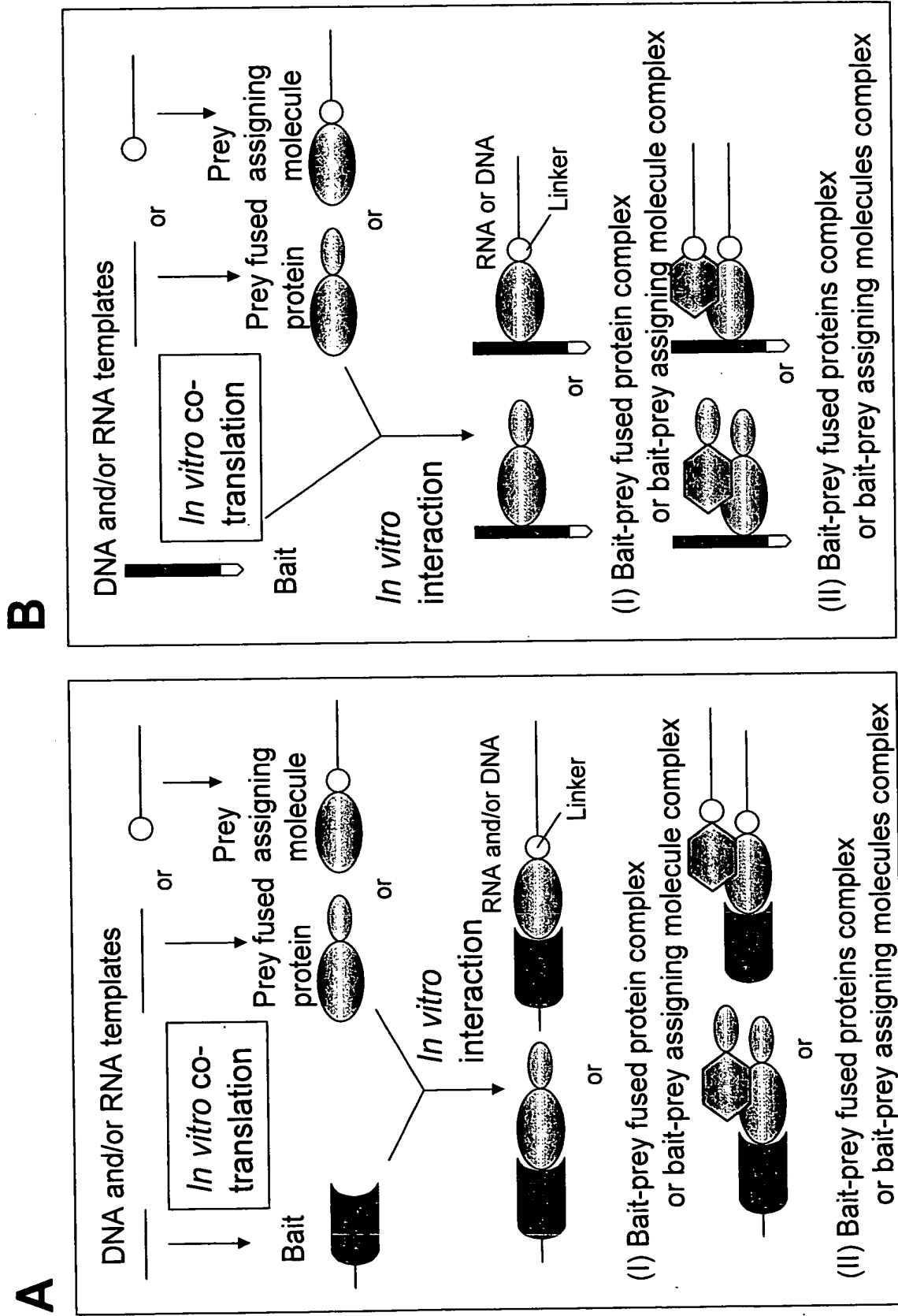


Fig. 10

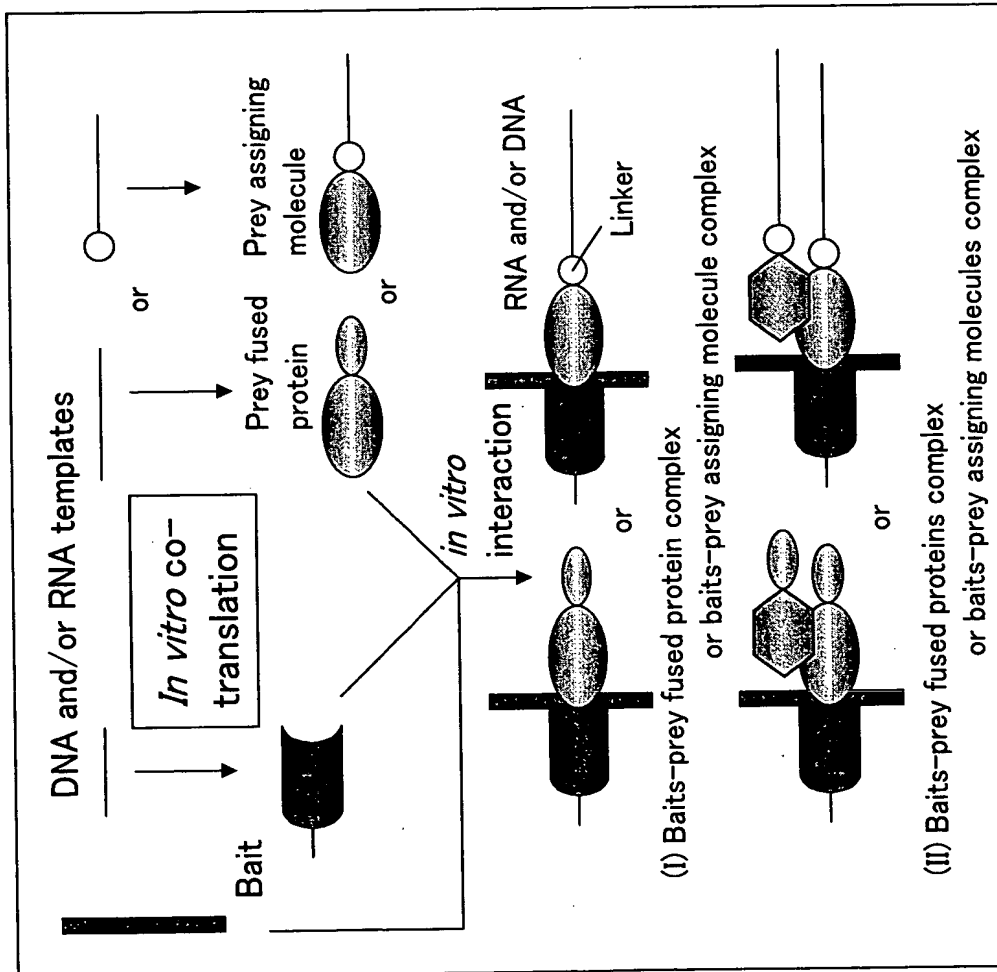


Fig. 11

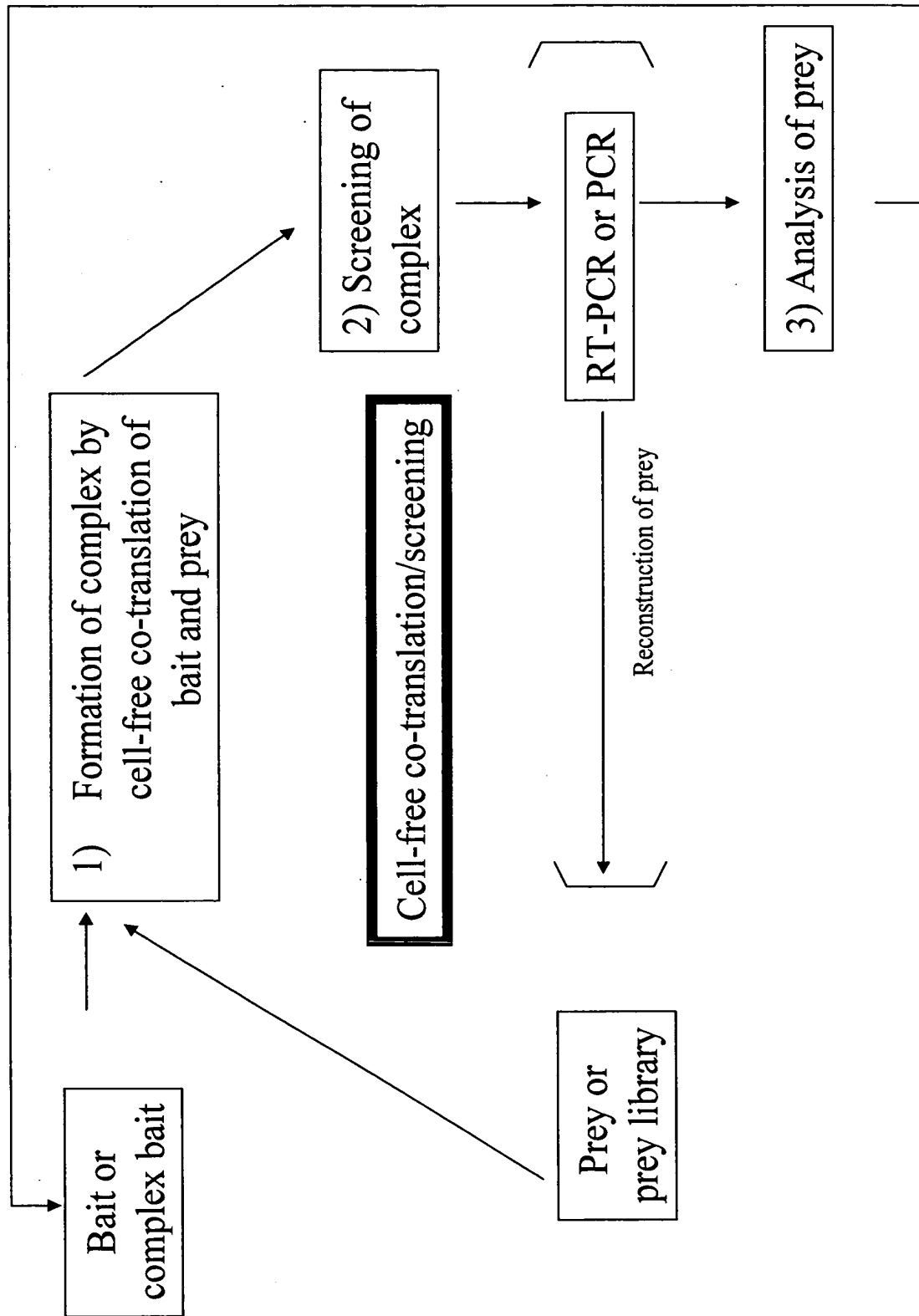


Fig. 12